Title

Purpose

Problem

Background

What is the purpose of the lab?

What did you already know or already learn about magnetism?

What influences magnetic field strength?

What was the first part and the second part of the e-mag lab about?

Hypothesis

Variables

Materials

Procedure (valid, limited to one variable at a time, clear and concise)

Data Table

Graph

Conclusion

* Provides an accurate and detailed description of the data, including averages, experimental error, and other appropriate statistical measures. (%Error)
* States whether the hypothesis was supported or not supported by the data and provides evidence to support this claim. (state relationship b/w variable – linear)
* Presents a clear and concise interpretation of how results relate to the question, hypothesis, and background information (current topic we are studying in class)
* Discusses how methods may have biased results and suggests alternative methods based on the error analysis. Error analysis uses the terminology of the 4 types of error, personal, instrumental, method, and environmental.
* Suggests relevant changes and other experiments to improve understanding of the subject.

Reflection

Bibliography

Mechanics

1

2

2

2

2

2

2

3

5

2

3

3

5

2

2

2

2

2

2

2

2

50 total points